Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	282+49.01	500401.1424	1601654.829						
	PC	289+19.03	501050.1064	1601488.186						
Bethel Curve #23	PC	289+19.03	501050.1064	1601488.186	1100	142.29	7°24'40.49"	Right	0.057	50
	PI	289+90.28	501119.11	1601470.467						
	CC		501323.6929	1602553.62						
	PCC	290+61.32	501189.8226	1601461.796						
Bethel Curve #23	PCC	290+61.32	501189.8226	1601461.796	590	198.65	19°17'27.82"	Right	0.06	40
	PI	291+61.59	501289.3506	1601449.593						
	CC		501261.6258	1602047.411						
	PT	292+59.97	501387.322	1601470.956						
Tangent	PT	292+59.97	501387.322	1601470.956						
	PC	295+70.66	501690.8854	1601537.148						
Bethel Curve #24	PC	295+70.66	501690.8854	1601537.148	1500	369.84	14°07'36.09"	Right	0.062	50
	PI	297+56.52	501872.4789	1601576.744						
	CC		501371.3188	1603002.712						
	PT	299+40.50	502038.9167	1601659.464						
Tangent	PT	299+40.50	502038.9167	1601659.464						
	PC	300+86.61	502169.7615	1601724.495						
Bethel Curve #25	PC	300+86.61	502169.7615	1601724.495	525	324.26	35°23'16.95"	Left	0.08	50
	PI	302+54.10	502319.7472	1601799.038						
	CC		502403.4208	1601254.358						
	PT	304+10.87	502485.1917	1601772.951						
Tangent	PT	304+10.87	502485.1917	1601772.951						
	PC	305+28.13	502601.0219	1601754.687						
Bethel Curve #26	PC	305+28.13	502601.0219	1601754.687	1000	330.63	18°56'38.19"	Right	0.076	50
	PI	306+94.97	502765.8255	1601728.701						
	CC		502756.7759	1602742.483						
	PT	308+58.77	502930.1389	1601757.625						
Tangent	PT	308+58.77	502930.1389	1601757.625						
	PC	311+53.62	503220.5298	1601808.742						
Bethel Curve #27	PC	311+53.62	503220.5298	1601808.742	865	389.36	25°47'25.26"	Right	0.079	50
	PI	313+51.66	503415.566	1601843.074						
	CC		503070.5708	1602660.644						
	PT	315+42.98	503576.2379	1601958.842						
Tangent	PT	315+42.98	503576.2379	1601958.842						
	PC	316+70.07	503679.3457	1602033.134						
Bethel Curve #28	PC	316+70.07	503679.3457	1602033.134	1000	136.13	7°47'59.06"	Left	0.076	50
	PI	317+38.24	503734.6549	1602072.986						
	CC		504263.9319	1601221.803						
	PCC	318+06.20	503794.8607	1602104.963						
Bethel Curve #28	PCC	318+06.20	503794.8607	1602104.963	770	316.47	23°32'55.73"	Left	0.08	50
	PI	319+66.70	503936.6101	1602180.25						
	CC		504156.0455	1601424.929						
	PCC	321+22.67	504096.6341	1602192.634						
Bethel Curve #28	PCC	321+22.67	504096.6341	1602192.634	850	399.55	26°55'55.64"	Left	0.079	50
	PI	323+26.21	504299.5619	1602208.338						
	CC		504162.2181	1601345.168						
	PCC	325+22.22	504487.5938	1602130.426						
Bethel Curve #28	PCC	325+22.22	504487.5938	1602130.426	900	222.26	14°08'58.11"	Left	0.078	50
	PI	326+33.92	504590.7842	1602087.669						
	CC		504143.0784	1601298.976						
	PT	327+44.48	504680.3916	1602020.984						
Tangent	PT	327+44.48	504680.3916	1602020.984						
	PC	329+91.39	504878.4723	1601873.573						
Bethel Curve #29	PC	329+91.39	504878.4723	1601873.573	770	524.62	39°02'13.47"	Right	0.08	50
	PI	332+64.34	505097.4424	1601710.617						
	CC		505338.1736	1602491.29						
	PT	335+16.01	505370.1585	1601721.955						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	335+16.01	505370.1585	1601721.955						
	PC	338+38.47	505692.3425	1601735.35						
Bethel Curve #30	PC	338+38.47	505692.3425	1601735.35	475	141.68	17°05'21.69"	Left	0.08	40
	PI	339+09.84	505763.6488	1601738.314						
	CC		505712.0734	1601260.76						
	PCC	339+80.15	505832.678	1601720.194						
Bethel Curve #30	PCC	339+80.15	505832.678	1601720.194	850	210.61	14°11'48.12"	Left	0.079	50
	PI	340+86.00	505935.0575	1601693.318						
	CC		505616.8593	1600898.049						
	PT	341+90.76	506027.7191	1601642.155						
Tangent	PT	341+90.76	506027.7191	1601642.155						
	PC	343+92.03	506203.9143	1601544.869						
Bethel Curve #31	PC	343+92.03	506203.9143	1601544.869	10000	144.45	0°49'39.49"	Left	NC	50
	PI	344+64.26	506267.1425	1601509.957						
	CC		501370.2694	1592790.677						
	PT	345+36.48	506329.8599	1601474.136						
Tangent	PT	345+36.48	506329.8599	1601474.136						
	PC	348+42.24	506595.3596	1601322.495						
Bethel Curve #32	PC	348+42.24	506595.3596	1601322.495	3300	256.21	4°26'54.43"	Right	0.034	50
	PI	349+70.41	506706.656	1601258.927						
	CC		508232.0245	1604188.036						
	PT	350+98.45	506822.5476	1601204.184						
Tangent	PT	350+98.45	506822.5476	1601204.184						
	PC	353+06.62	507010.7736	1601115.272						
Bethel Curve #33	PC	353+06.62	507010.7736	1601115.272	4000	240.78	3°26'56.26"	Left	0.029	50
	PI	354+27.04	507119.6641	1601063.835						
	CC		505302.3168	1597498.481						
	PT	355+47.40	507225.2631	1601005.941						
Tangent	PT	355+47.40	507225.2631	1601005.941						
	PC	356+71.68	507334.2368	1600946.197						
Bethel Curve #34	PC	356+71.68	507334.2368	1600946.197	8000	96.08	0°41'17.29"	Left	NC	50
	PI	357+19.72	507376.3628	1600923.102						
	CC		503488.3444	1593931.276						
	PT	357+67.76	507418.2083	1600899.502						
Tangent	PT	357+67.76	507418.2083	1600899.502						
	PC	365+47.97	508097.7972	1600516.235						
Bethel Curve #35	PC	365+47.97	508097.7972	1600516.235	8000	337.76	2°25'08.53"	Right	NC	50
	PI	367+16.88	508244.9188	1600433.263						
	CC		512027.6611	1607484.461						
	PT	368+85.73	508395.4114	1600356.574						
Tangent	PT	368+85.73	508395.4114	1600356.574						
Back Station		370+41.50	508534.1967	1600285.852						
Ahead Station		A 0+00.00								
Tangent	PC	A 0+06.61	508540.0902	1600282.849						
Randolph Curve #1	PC	A 0+06.61	508540.0902	1600282.849	8000	184.54	1°19'18.12"	Left	NC	50
	PI	A 0+98.89	508622.307	1600240.952						
	CC		504907.8405	1593154.962						
	PT	A 1+91.16	508703.5356	1600197.171						
Tangent	PT	A 1+91.16	508703.5356	1600197.171						
	PC	A 4+55.20	508935.9644	1600071.893						
Randolph Curve #2	PC	A 4+55.20	508935.9644	1600071.893	1800	407.3	12°57'53.19"	Left	0.054	50
	PI	A 6+59.72	509116.0016	1599974.855						
	CC		508081.933	1598487.396						
	PT	A 8+62.50	509269.6786	1599839.898						
Tangent	PT	A 8+62.50	509269.6786	1599839.898						
	PC	A 12+56.19	509565.4917	1599580.12						
Randolph Curve #3	PC	A 12+56.19	509565.4917	1599580.12	2930	249.49	4°52'43.46"	Right	0.038	50
	PI	A 13+81.01	509659.2804	1599497.756						
	CC		511498.8776	1601781.692						
	PCC	A 15+05.68	509759.7341	1599423.667						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Randolph Curve #3	PCC	A 15+05.68	509759.7341	1599423.667	570	315.46	31°42'33.85"	Right	0.08	40
	PI	A 16+67.56	509890.0143	1599327.58						
	CC		510098.0658	1599882.395						
	PT	A 18+21.14	510051.3514	1599314.313						
Tangent	PT	A 18+21.14	510051.3514	1599314.313						
	PC	A 19+92.94	510222.5777	1599300.233						
Randolph Curve #4	PC	A 19+92.94	510222.5777	1599300.233	1000	164.3	9°24'48.36"	Left	0.059	50
	PI	A 20+75.27	510304.6337	1599293.485						
	CC		510140.6226	1598303.597						
	PCC	A 21+57.23	510384.4811	1599273.407						
Randolph Curve #4	PCC	A 21+57.23	510384.4811	1599273.407	1125	166.5	8°28'47.72"	Left	0.057	50
	PI	A 22+40.64	510465.367	1599253.069						
	CC		510110.1403	1598182.37						
	PT	A 23+23.74	510542.3694	1599221.025						
Tangent	PT	A 23+23.74	510542.3694	1599221.025						
	PC	A 24+82.10	510688.5751	1599160.182						
Randolph Curve #5	PC	A 24+82.10	510688.5751	1599160.182	6000	308.3	2°56'38.62"	Right	0.02	50
	PI	A 26+36.28	510830.9259	1599100.944						
	CC		512993.7968	1604699.672						
	PT	A 27+90.40	510976.1312	1599049.095						
Tangent	PT	A 27+90.40	510976.1312	1599049.095						
	PC	A 29+00.14	511079.4773	1599012.193						
Randolph Curve #6	PC	A 29+00.14	511079.4773	1599012.193	4000	141.06	2°01'13.78"	Right	0.029	50
	PI	A 29+70.67	511145.9054	1598988.473						
	CC		512424.5877	1602779.245						
	PT	A 30+41.19	511213.1285	1598967.11						
Tangent	PT	A 30+41.19	511213.1285	1598967.11						
	PC	A 32+10.22	511374.217	1598915.918						
Randolph Curve #7	PC	A 32+10.22	511374.217	1598915.918	2200	540.05	14°03'52.88"	Left	0.047	50
	PI	A 34+81.61	511632.8577	1598833.725						
	CC		510707.9144	1596819.244						
	PT	A 37+50.27	511863.7704	1598691.141						
Tangent	PT	A 37+50.27	511863.7704	1598691.141						
	PC	A 41+55.44	512208.5186	1598478.266						
Randolph Curve #8	PC	A 41+55.44	512208.5186	1598478.266	25000	129.65	0°17'49.72"	Right	NC	50
	PI	A 42+20.27	512263.6777	1598444.207						
	CC		525343.2458	1619749.819						
	PT	A 42+85.10	512319.0127	1598410.434						
Tangent	PT	A 42+85.10	512319.0127	1598410.434						
	PC	A 44+54.66	512463.7529	1598322.093						
Randolph Curve #9	PC	A 44+54.66	512463.7529	1598322.093	6000	159.01	1°31'06.31"	Left	0.02	50
	PI	A 45+34.17	512531.6196	1598280.672						
	CC		509337.9369	1593200.641						
	PT	A 46+13.67	512598.365	1598237.466						
Tangent	PT	A 46+13.67	512598.365	1598237.466						
	PC	A 54+83.76	513328.7781	1597764.657						
Randolph Curve #10	PC	A 54+83.76	513328.7781	1597764.657	10000	88.94	0°30'34.48"	Right	NC	40
	PI	A 55+28.23	513366.1088	1597740.492						
	CC		518762.8249	1606159.365						
	PT	A 55+72.70	513403.653	1597716.66						
Tangent	PT	A 55+72.70	513403.653	1597716.66						
	PC	A 57+70.73	513570.8489	1597610.529						
Randolph Curve #11	PC	A 57+70.73	513570.8489	1597610.529	10000	71.66	0°24'38.10"	Left	NC	40
	PI	A 58+06.56	513601.0995	1597591.327						
	CC		508211.677	1589167.823						
	PT	A 58+42.39	513631.2117	1597571.908						

PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PT - POINT OF TANGENCY

PI - POINT OF INTERSECTION
CC - RADIUS POINT

PROJECT NAME: BETHEL-RANDOLPH
PROJECT NUMBER: STP 2921(1)

FILE NAME: z10c244.dgn
PROJECT LEADER: C. LATHROP
DESIGNED BY: S. LAMPHERE
HORIZONTAL ALIGNMENT TABLE SHEET 2

PLOT DATE: 4/23/2015
DRAWN BY: J. GOODALL
CHECKED BY: C. LATHROP